

**Section I: BACT Determination for Application No.: 176076**  
**Equipment Category - Spray Booth**

<b>1. GENERAL INFORMATION</b>		DATE: 5/25/1999
A. MANUFACTURER: Bleeker Bros.		
B. TYPE: Dry Filter	C. MODEL: Custom	
D. STYLE: Floor		
E. APPLICABLE AQMD REGULATION XI RULES: 1107 & 1171		
F. COST: \$160,000 ( )	SOURCE OF COST DATA: Owner/Operator	
G. OPERATING SCHEDULE:	8 HRS/DAY	5 DAYS/WK 50 WKS/YR
<b>2. EQUIPMENT INFORMATION</b>		APP. NO.: 176076
A. SIZE/DIMENSION/CAPACITY: 12'-4" W. x 17'-0" L. x 10'-8" H.		
B. BLOWERS: None	C. TOTAL FLOW RATE: 4100 scfm	
D. FILTERS: 35 @ 20" x 20"		
E. PARTS COATED: Metal parts - ordnance		
F. TYPE OF COATING/ADHESIVE/SOLVENT USED: Primer and topcoat		
<b>3. COMPANY INFORMATION</b>		APP. NO.: 176076
A. NAME: Kaiser Marquardt		
B. ADDRESS: 16555 Saticoy Street		
CITY: Van Nuys	STATE: CA	ZIP: 91409
C. CONTACT PERSON: None	D. PHONE NO.:	
<b>4. PERMIT INFORMATION</b>		APP. NO.: 176076
A. AGENCY: SCAQMD		
B. AGENCY CONTACT PERSON: Tom Liebel/AQ Engineer	C. PHONE NO.: (909) 396-2554	
D. PERMIT TO CONSTRUCT INFORMATION: P/C NO.: 176076 ISSUANCE DATE: 11/8/1988		
E. START-UP DATE: Operating since 1988, removed in 1993 (facility shutdown)		
F. PERMIT TO OPERATE INFORMATION: P/O NO.: D32140 ISSUANCE DATE: 9/19/1990		
<b>5. EMISSION INFORMATION</b>		APP. NO.: 176076
<b>A. PERMIT</b>		
A1. PERMIT LIMIT: 16 gal/day coating & solvent		
A2. BACT/LAER DETERMINATION: The BACT/LAER determination for this application is an afterburner. Permit requires overall efficiency of 88%.		
<b>B. CONTROL TECHNOLOGY</b>		
B1. MANUFACTURER/SUPPLIER: Hirt		
B2. TYPE: Direct-flame Afterburner		
B3. DESCRIPTION: A direct flame afterburner vented one conveyORIZED spray booth, flash tunnel and		

oven. Non-compliant coatings were used. The afterburner has a 6,357,030 Btu/hr natural gas fired burner.

B4. CONTROL EQUIPMENT PERMIT APPLICATION DATA: P/C NO.: 176076 ISSUANCE DATE: 11/8/1988  
P/O NO.: D32140 ISSUANCE DATE: 9/19/1990

B5. WASTE AIR FLOW TO CONTROL EQUIPMENT: FLOW RATE: 4100 scfm  
ACTUAL CONTAMINANT LOADING: BLOWER HP: 10 HP

B6. WARRANTY: Not known

B7. PRIMARY POLLUTANTS: VOC

B8. SECONDARY POLLUTANTS: NOx 0.4 lb/hr, CO 0.03 lb/hr

B9. SPACE REQUIREMENT: Not known

B10. LIMITATIONS:

B11. LOCATION OF PRIOR DEMONSTRATION & AGENCY:

FACILITY: Not known

CONTACT PERSON:

PHONE NO.:

AGENCY:

ADDRESS:

CONTACT PERSON:

PHONE NO.:

B12. OPERATING HISTORY: Operating since 1988, facility shutdown in 1993

B13. SOURCE TEST/PERFORMANCE DATA ANALYSIS:

DATE OF SOURCE TEST: 2/8/90

CAPTURE EFFICIENCY: 100.00%

DESTRUCTION EFFICIENCY: 88.40%

OVERALL EFFICIENCY: 88.40%

PERFORMANCE DATA:

B14. SOURCE TEST CONDITIONS/PERFORMANCE DATA:

Coating Consumption: 1.8 lbs/hr

VOC generated: 5.9 lbs/hr

VOC captured: 6.8 lbs/hr

Inc. temperature: 1400 deg. F

## C. COST

C1. CONTROL EQUIPMENT COST: ☐ CHECK IF INSTALLATION COST IS INCLUDED IN CAPITAL COST

CAPITAL: \$Not known

INSTALLATION: \$Not known ( ) SOURCE OF COST DATA:

C2. ANNUAL OPERATIONAL/MAINTENANCE COST: \$Not known ( ) SOURCE OF COST DATA:

## D. DEMONSTRATION OF COMPLIANCE

D1. STAFF PERFORMING FIELD EVALUATION:

ENGINEER'S NAME: Tom Liebel

INSPECTOR'S NAME:

DATE:

D2. COMPLIANCE DEMONSTRATION: See Source Test Information

D3. VARIANCE: NO. OF VARIANCES: None DATES:

CAUSES:

D4. VIOLATION: NO. OF VIOLATIONS: None DATES:

CAUSES:

D5. FREQUENCY OF MAINTENANCE:    Not known
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<b>6. COMMENTS</b>		APP. NO.:    176076